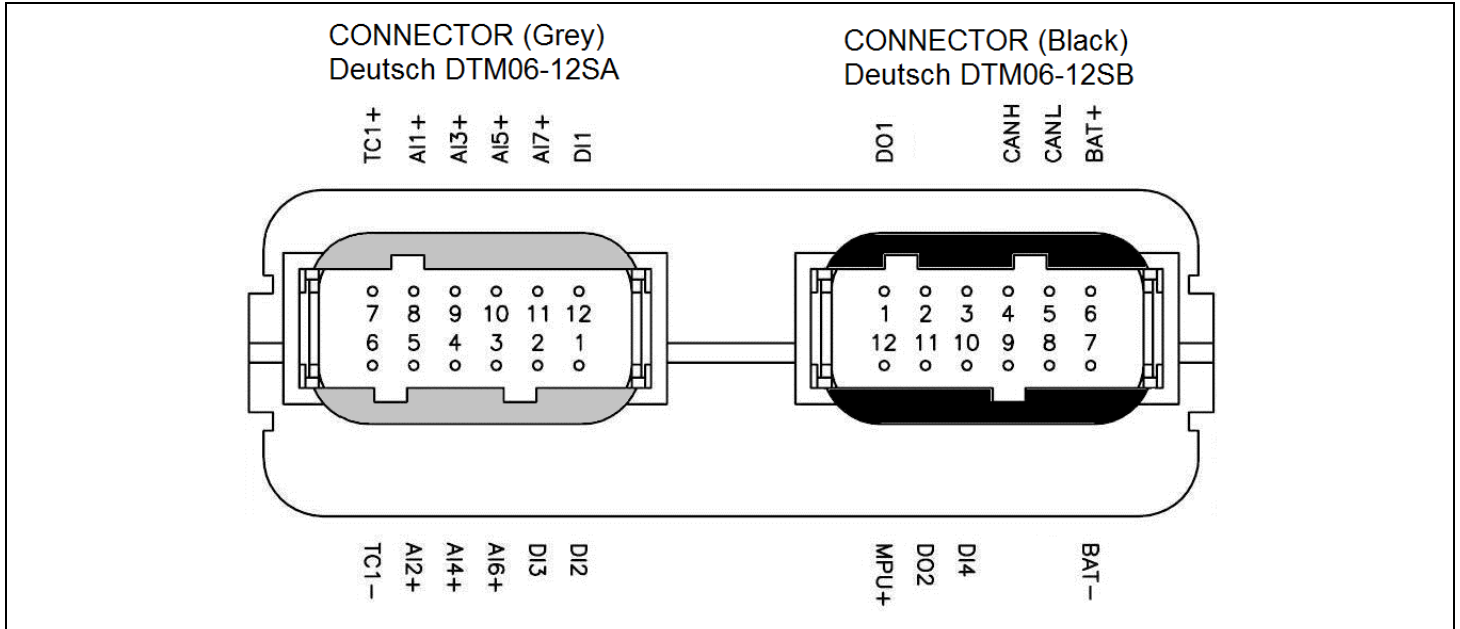


Murphy Standard Configuration for the XM500

This document contains standard connector and wiring diagram information for the XM500 I/O Module (78-70-0420). For additional information about the XM500 I/O Module, see www.fwmurphy.com and search XM500.



CONNECTOR A		CONNECTOR B	
LABEL	APPLICATION	LABEL	APPLICATION
D12	Low Hydraulic Oil Pressure N.O.	DO1	Not Used
D13	Not Used		
A16+	Auxiliary Temperature 1 (ES2T-250/300)		
A14+	Transmission Oil Pressure (ES2PMK-400)	CANH	CAN High
A12+	Engine Oil Pressure (ES2P-100)	CANL	CAN Low
TC1-	Not Used	BAT+	8 to 32 VDC+
TC1+	Not Used	BAT-	8 to 32 VDC-
AI1+	Engine Coolant Temperature (ES2T-250/300)		
AI3+	Fuel Level 1 (ES2F)		
AI5+	Transmission Oil Temperature (ES2T-250/300)	DI4	Not Used
AI7+	Auxiliary Pressure # 1 (ES2PMK-400)	DO2	Alarm N.O.
DI1	Low Engine Coolant Level N.O.	MPU+	Engine Speed, Mag Pickup (151 pulses/rev)

OPERATION - The following parameters broadcast to the J1939 network by using the analog inputs from XM500.

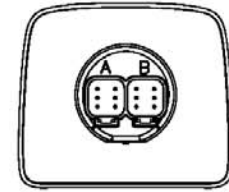
Parameter	PGN	SPN
<i>Engine Speed</i>	61444	190
<i>Auxiliary Temperature 1</i>	65164	441
<i>Auxiliary Pressure 1</i>	65164	1387
<i>Engine Coolant Temperature</i>	65262	110
<i>Engine Oil Pressure</i>	65263	100
<i>Keyswitch Battery Potential</i>	65271	158
<i>Transmission Oil Pressure</i>	65272	127
<i>Transmission Oil Temperature</i>	65272	177
<i>Fuel Level 1</i>	65276	96

POSSIBLE FAULTS: XM500 and Inputs, sending faults from XM500 to the J1938 and Lamp indicators.

SPN	FMI	LED LAMP	Description
100	18	Amber	Engine Oil Pressure < 10 PSI. 10 sec delay.
110	16	Amber	Engine Coolant Temperature > 212°F.
111	1	Amber	Low Engine Coolant Level , input closed.
127	18	Amber	Transmission Oil Pressure < 75 PSI. 10 sec delay.
1762	18	Amber	Low Hydraulic Oil Pressure, input closed. 10 sec delay.



XM500 I/O MODULE TO PV101 (78-70-0420)



BACK VIEW OF THE PV101

